

Kiranprasad R

Implementation Engineer | DevOps Enthusiast | Telecom BSS Specialist

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SUMMARY

Implementation Engineer with 3+ years of experience in large-scale Telecom BSS deployments, integrations, and automation. Skilled in Kubernetes, Linux, CI/CD, and microservices deployment with strong expertise in Shell/Python scripting, SQL, and system validation. Proven track record of reducing deployment downtime by 20% and improving system reliability by 30% through proactive automation and testing.

CORE COMPETENCIES

DevOps & Automation • Containerization (Kubernetes, OpenShift, Docker) • CI/CD Pipelines • Microservices Deployment • Telecom BSS • API Testing • Monitoring & Observability (Prometheus, Grafana, EFK Stack) • System Integration • Shell Scripting • Troubleshooting • Manual Testing • Agile Collaboration • Git

PROFESSIONAL EXPERIENCE

6D Technologies — Implementation Engineer

Apr 2022 – Present

6D Technologies provides digital transformation solutions to global Communication Service Providers (CSPs), specializing in Telecom BSS, AI/ML, IoT, and 5G technologies.

- Delivered end-to-end BSS module implementations including API Gateway, Billing, CRM, COM, ESB, CM, and Keycloak across staging and production environments.
 - Automated configuration validation and log analysis using Shell and Python scripts, reducing troubleshooting time by 25%.
 - Deployed and maintained Kubernetes environments using YAML manifests, ensuring high availability and optimized resource utilization.
 - Integrated Fluent Bit with Prometheus and Grafana for centralized monitoring and observability.
 - Collaborated with cross-functional teams during Agile sprints for testing, validation, and production rollouts.
 - Executed SQL queries to validate customer, billing, and service data consistency across APIGW, CRM, COM, and Billing systems during pre-deployment checks.
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KEY PROJECTS

Microservices-Driven Deployment

Deployed telecom applications as modular microservices, improving scalability, reusability, and deployment efficiency.

- Designed and deployed microservices using Docker and Kubernetes for core BSS components.
- Implemented YAML-based deployments for version-controlled configuration management.
- Collaborated with DevOps teams to streamline container image management and resource orchestration.

BSS Modules Integration & Testing

Led the integration, deployment, and validation of multiple BSS modules, ensuring seamless end-to-end functionality.

- Integrated Web-Selfcare, Digital-APIGW, Billing-System, CRM, ESB, CM, Keycloak, and COM modules across multiple environments.
- Conducted SCRUM-based testing cycles (Sanity, Sprint, E2E), identifying and resolving high-priority defects.
- Set up CI/CD pipelines, performed deployment validations, and supported release management processes.
- Implemented centralized monitoring using Prometheus, Grafana, and EFK stack for real-time performance tracking and issue resolution.

TECHNICAL SKILLS

Languages & Scripting:	Python, Bash, Shell, SQL
Deployment & Orchestration:	Kubernetes, OpenShift, Docker, Rancher, ArgoCD
Monitoring & Logging:	Prometheus, Grafana, EFK Stack (Elasticsearch, Fluent Bit, Kibana)
BSS Modules:	APIGW, Billing, COM, CRM, CM, ESB, Web-Selfcare, Keycloak
Messaging & Streaming:	RabbitMQ, Redis, Apache Kafka
CI/CD & Cloud:	Jenkins, GitLab CI/CD, Nexus, Terraform (IaC), AWS (IaaS), Huawei Cloud
Testing & Integration:	Postman, JMeter, Jira
Tools & Platforms:	Linux (RHEL/Ubuntu), Git, Nginx, SSH

KEY ACHIEVEMENTS

- Achieved zero-downtime migration and environment setup by redesigning configurations and database architecture.
- Reduced deployment time by 20% through automation of configuration and validation processes.
- Improved system reliability by 30% via enhanced E2E testing and environment readiness checks.
- Designed Grafana dashboards and proactive alerts to detect anomalies, accelerating incident resolution.
- Supported multiple production rollouts across distributed environments, ensuring 100% on-time delivery.

EDUCATION

Visvesvaraya Technological University — B.E. in Computer Science and Engineering	2018 – 2022
Maharaja Institute of Technology, Mysore	